

Deblocking & Cleaning Hydrophobic IOLs from the "O&O" IOL-Moulds

Deblocking step by step...

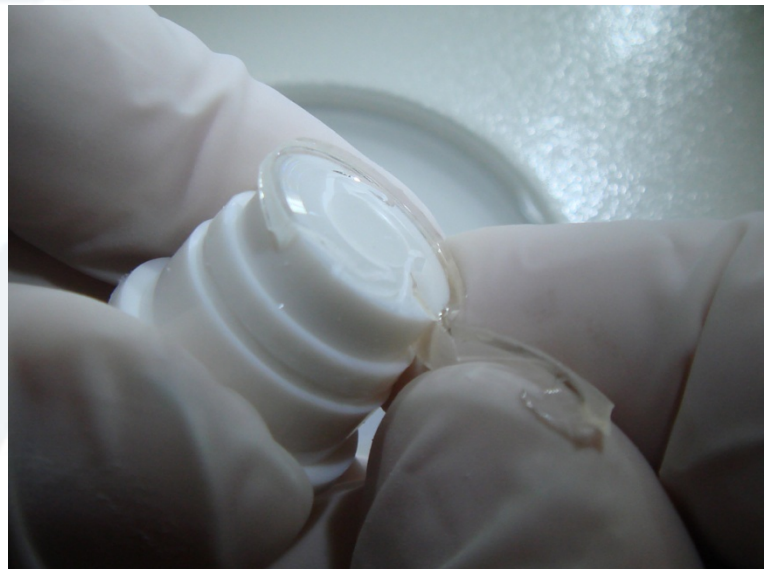
1- Pre-Cleaning operation:

Place the IOL Moulds in oven between 37°C to 40°C (100°F to 104°F) for 10 minutes. Take out the IOL-Mould one by one for the preparation of the pre-cleaning operation as follow:

As mechanical chips or environmental contaminants may have dropped on the surface of the lens, it is more practical to clean the lens without the remaining outside material.

Just peel-off the outside material by hand as shown.

Then place the IOL-Mould onto a tray at room temperature



When all the IOL-Moulds from the batch have been prepared (remaining the lens only on the IOL-Mould), place each IOL-Mould with its lens under binocular at x10, and verify if any mechanical chips or environmental contaminants may have dropped on the surface of the lens.

In case residuals are visible, please try to remove them first by blowing medical compressed air and if necessary remove them using an ophthalmic surgical sponge (usually triangular) dropped in pure ethanol (minimum 99.5% Alcohol) to hydrate and then remove the chips easily.

When this is achieved, dry the lens with medical compressed air and let the lens evaporate for ten minutes minimum.

2- Deblocking operation:

Place the IOL Moulds in oven between 37°C to 40°C (100°F to 104°F) for 15 to 30 minutes. Take out the lenses one by one for deblocking operations as follow:

With a round ended tweezers,
began to deblock one haptic tip...



Until the end!



Do the same with the other
haptic...

Until the optic junction.

Take a tweezers with protected
silicone tubes, push between the
IOL-Mould and the optic until
grasping the lens efficiently.



Peel gently the lens by grasping
and tearing the optic.



Until the lens is deblocked.

To avoid having the lens sticking in a plastic container, it may be better to drop the deblocked lens into a glass (Duran) Petri dish filled with Saline solution @ 0.9 g / 100 ml (pure water is not recommended at all for hydrophobic material).

Cleaning Deblocked Hydrophobic IOLs:

Lenses are to be cleaned in O&O Cleaning Tweezers (available at O&O) in ultrasonic bath at low temperature (maximum at 45°C) in DI water with 1% TERGAZIM (maximum) and rinse twice with DI water and dried. Your lenses are now ready for final tumble polishing...

Best tweezers for deblocking:

At our opinion, with multi trial we have run, the best tweezers tried so far are the Stephens Lens Folding forceps reference S5-1793.

You can contact Stephens at stephensinst@aol.com (www.stephensinst.com).

For any queries or comments, please contact:

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*Thank you for choosing the “**O&O**mdc” Semi-Finished Hydrophobic IOLs.*